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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/564,667	01/13/2006	Ernst Kraenzler	3476	3314
Striker, Stricke	7590 10/31/2007 r & Stenby	EXAMINER		
103 East Neck Road			GRANT, ALVIN J	
Huntington, NY 11743			ART UNIT	PAPER NUMBER
			3723	
			<u> </u>	
			MAIL DATE	DELIVERY MODE
			10/31/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	J
W.	v

	Application No.	Applicant(s)					
	10/564,667	KRAENZLER ET AL.					
Office Action Summary	Examiner	Art Unit					
	Alvin J. Grant	3723					
The MAILING DATE of this communication app	ears on the cover sheet with th	e correspondence address					
Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATI 36(a). In no event, however, may a reply be rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDO	ON. In timely filed om the mailing date of this communication. INED (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on 17 Au	iaust 2007						
<u> </u>	action is non-final.						
) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) <u>1-16</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.	· · · · · · · · · · · · · · · · · · ·						
6)⊠ Claim(s) <u>1-16</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examine	г.						
10)☐ The drawing(s) filed on is/are: a)☐ acce	epted or b) objected to by th	e Examiner.					
Applicant may not request that any objection to the	drawing(s) be held in abeyance. S	See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correcti		• • • • • • • • • • • • • • • • • • • •					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119	,						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
Certified copies of the priority documents	s have been received in Applic	ation No					
Copies of the certified copies of the prior	ity documents have been rece	ived in this National Stage					
application from the International Bureau	• • • • • • • • • • • • • • • • • • • •						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
1) X Notice of References Cited (PTO-892)	4) Interview Summa	ary (PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date.							
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Information Disclosure Statement(s) (PTO/SB/08) 6) Other:							
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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1. 2, 5, 6, 8-10, 11 and 25 are rejected under 35 U.S.C. 102(b) as being anticipated by Scott et al. 4,690,727.

Scott et al. discloses a polishing concurrently an inner surface and an outer surface of a ceramic arc tube; the ceramic arc tube is a non-planar ceramic arc tube; immersing the ceramic arc tube in an abrasive slurry; and impacting the ceramic arc tube with particles suspended in the abrasive slurry; generating a turbulence within the abrasive slurry to facilitate said impacting; wherein polishing a ceramic arc tube comprises polishing a material selected from the group consisting of single crystal ceramics, polycrystalline ceramics, and combinations thereof; and immersing the arc tube in a slurry comprising suspended abrasive particles; generating a turbulence within the slurry such that the abrasive particles are impacted

generating a turbulence within the slurry such that the abrasive particles are impacted against the inner surface and outer surface of the ceramic arc tube responsive to the turbulence.

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Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Scott et al.

Scott et al. is described above. Scott et al. does not specifically disclose the surface roughness of the tube. Polishing the surface using similar polishing materials and procedures would inherently involve a similar range of surface roughness since in both instances the material being polished is the same.

5. Claims 7 and 12-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Scott et al in view of Sotozaki et al. 6,643,882.

Scott et al. is described above. Scott et al. does not specifically disclose ultrasonic cavitations. Sotozaki et al. teaches the use of ultrasonic cavitations so as to optimize the energy of the bombarding particles. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have used ultrasonic cavitations in the slurry of Scott et al. as taught by Sotozaki et al. so as to optimize the energy of the bombarding particles.

6. Claims 17-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Scott et al. in view of Woolf et al. 5,108,982.

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Scott et al. is described above. Scott et al. does not specifically disclose the use of magnets. Woolf et al. teaches the use of magnets in slurry so as to maintain the particulate concentration at a substantially constant level. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have made the slurry of Scott et al. to have magnets as taught by Woolf et al. so as to maintain the particulate concentration at a substantially constant level.

Response to Arguments

7. Applicant's arguments filed 8/17/07 have been fully considered but they are not altogether persuasive.

Amendments to claims 1 and 11 comprise functional language which does not add patentable weight to the claims.

In response to applicant's arguments regarding the patentability of the patentability of the instant application over the prior art references WO 03/097299 and WO 03/011527, the claims are read in light of the specification; however, the disclosure of the specification are not read into the claims.

In response to applicant's arguments regarding the double patenting rejection, it is disclosure of the claims and not the specification that is examined.

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alvin J. Grant whose telephone number is (571) 272-4484. The examiner can normally be reached on Mon-Fri 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph J. Hail can be reached on (571) 272-4485. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alvin J Grant
Patent Examiner
Art Unit 3723

ajg

Joseph J. Hail, III Supervisory Patent Examiner Technology Center 3700